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(54) OPTICAL WAVEGUIDE DEVICE, COHERENT LIGHT SOURCE, INTEGRATED UNIT, AND OPTICAL PICKUP DEVICE

by the slanting surface (4) and projected from the 1st surface (S1) or 2nd surface (S2) of the substrate (1).

(57) Abstract:

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PROBLEM TO BE SOLVED: To solve problems that a coherent light source which uses a conventional optical waveguide device (1) increases in size along the optical axis, (2) induces a light source noise owing to the feedback of a light reflected by a waveguide projection end surface to the light source, and (3) generates an interference noise owing to the rereflection of external reflected light on the optical waveguide projection end surface.

SOLUTION: This optical waveguide device is equipped with a substrate (1) which has a 1st surface (S1) and a 2nd surface (S2) and an optical waveguide (3) which is formed on the 1st surface (S1) of the substrate (1) and has a light incidence end surface and a slanting surface slanting to the optical waveguide (3); and a waveguide light which is made incident on the optical waveguide (3) from the light incidence end surface is totally reflected

